

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of acquisition of satellite data by a mobile device including a radio navigation satellite system (RNSS) receiver, said method comprising:

~~[[-]]said receiver receiving a signal transmitted by a plurality of satellites and corresponding to a sum of signals each transmitted by a satellite and each modulated by a spread spectrum signal characteristic of said satellite~~[[.]];

~~[[-]]said receiver generating a plurality of local duplicates each of which is the duplicate of a spread spectrum signal characteristic of a satellite~~[[.]];

~~[[-]]correcting a frequency of each of said local duplicates by compensating a Doppler effect of each of said satellites using assistance data sent by an assistance server to said mobile device, and applying a first correlation function to each of the corrected duplicates;~~

~~[[-]]summing the corrected duplicates to which the first correlation function is applied to generate a sum of the corrected duplicates; and~~

~~[[-]]determining a second correlation function as a function of time between the sum of the corrected duplicates and said satellite data signal.~~

2. (currently amended): A method according to claim 1, including identifying each of the satellites associated with each of correlation peaks revealed by said ~~second~~ correlation function.

3. (currently amended): A method according to claim 2, wherein in the identifying the each of the satellites, identifying at least one of the satellites comprises:

~~[[-]]identifying a synchronization time associated with a correlation peak~~[[.]];

~~[[-]]determining a plurality of correlations calculated for said synchronization time between each of the sum of the corrected duplicates and said satellite data signal~~[[.]]; and